

Metrac H75/H75 pro, Metrac H95/H95 pro



Metrac. The original.



Metrac H75 and H95
Powerful. Safe. Comfortable.
Excellent slope capability.

REFORM. Teamwork Technology.

Metrac. Proven slope capability since 1965.

The all-rounder for year-round use



The REFORM Metrac is the versatile tool carrier tractor for hill use and has been used with great success in hill farming and municipal work in any weather for more than 5 decades. Outstanding hill capability, unique working comfort, and a high level of multi-functionality make the Metrac a reliable partner for many different applications.

Focus on the customer

Improving a tried and tested product even further is always a special challenge. Why did it work so well for the new Metrac H75 and the H95? The design engineering centred fully on customer requirements. This resulted in vehicles with an uncompromising focus on the following properties:

- **Versatile**
- **Safe**
- **Comfortable**
- **User-friendly**
- **Economical**
- **Environmentally friendly**



METRAC
The original since 1965.



METRAC. A simple formula.



METRAC

H75/H75 pro
H95/H95 pro

VERSATILE

- + Two full attachment areas
- + 3-point linkages at front and rear
- + 1,500 kg lifting force (per linkage)
- + Powershift PTO

= **Universal machine for all seasons**



SAFE

- + Optimised all-terrain chassis with floating axle
- + All-wheel drive as standard
- + All-wheel steering system with 5 steering modes
- + Electronic differential locks 100%

= **Highest level of safety on any terrain**



COMFORTABLE

- + Newly developed, decoupled cab
- + Optimum noise insulation
- + High quality heating and air conditioning
- + Wider entry, improved all-round view

= **A comfortable workplace**



USER-FRIENDLY

- + Ergonomic unit of seat and armrest
- + Operation with joystick and "R-Com" controller
- + Logical arrangement of the controls
- + Central information display

= **Easy, fatigue-free operation**



ECONOMICAL

- + Simplified access for easier maintenance
- + Efficient Perkins diesel engine
- + Self-cleaning cooling system
- + Minimum downtimes

= **Increased efficiency, high availability**



ENVIRONMENTALLY FRIENDLY

- + Hydrostatic drive with Eco Mode
- + Load-based working hydraulics
- + Maximum protection of soil and turf
- + Top-mounted exhaust for less turbulence

= **Maximum protection for environment and soil**



Versatility is the key

Powerful linkages at front and rear allow easy mounting of different attachments. This turns the new Metrac into allrounder for use throughout the year.



Discover the possibilities!
The following examples illustrate
the number of different
attachments which can be
mounted on a Metrac.

Front:

- Rotary disc mowers
- Twin blade mowers
- Rotary mowers
- Flail mowers
- Side delivery belt rakes
- Front collecting forks
- Snow ploughs
- Snow blowers
- Road brushes

Rear:

- Rotary tedders
- Rotary swathers
- Dump buckets
- Fertiliser spreaders
- Balers
- Drag hose manure applications
- Extension arm boom flail mowers
- Rear spreaders
- Grassland harrows
- Trailers



VERSATILE

Modern working hydraulics

The proven linkage technology is based on a load-dependent working hydraulic system. The electro-hydraulic weight compensation is gentle on the vehicle and the attachments, while the hydraulic vibration damping ensures better driving comfort and smoother running.

Powerful 3-point linkages

The angle swing lift with front PTO (attachment category 1) generates an impressive lifting force of 1,500 kg. The rear linkage (attachment categories 1 and 2) with rear PTO also has a lifting force of 1,500 kg and can be equipped with a quick release coupling system. The 3 standardised attachment points of the linkages allow easy mounting and removal of attachments.

Power shift PTO

The high efficiency of the electro-hydraulic power shift PTO provides power precisely when it is needed. The automatic soft start ensures smooth starting of attachments.



Safety on any terrain

For versatile hill tool carriers like the Metrac, extreme hill capability, optimum soil protection, and maximum safety are crucial for man and machine.



The intelligent 4 wheel steering system of the new Metrac allows 5 steering modes: front, rear, 4 wheel and crab steering as well as offset 4 wheel steering.



SAFE

Optimised all-terrain chassis

Mounting the engine and the cab at centre of gravity level further improved the hill capability of the Metrac series. In addition to this, the front axle oscillation (up to 15°) ensures maximum ground contact at all times. In addition, both models are also available with a long wheelbase for even more safety in extreme slope conditions.

Proven 4 wheel drive

The standard 4 wheel drive allows maximum power transfer to the ground through optimum distribution of the driving forces to both axles. When 4 wheel steering is active, the front and rear wheels run exactly in the same line, ensuring absolutely tension-free traction of all 4 wheels. The electro-hydraulically activated front and rear differential locks offer best possible traction on difficult terrain.

Intelligent 4 wheel steering system

The standard 4 wheel steering system of the new Metrac H75 with five steering modes allows optimum adaptation to ground and terrain. Front, rear, 4 wheel and crab steering as well as offset 4 wheel steering can easily be switched at the push of a button.

Hydrostatic drive

The hydrostatic drive with two speed ranges and two terrain gear reductions enables continuous adaptation of the driving speed in foot or hand driving mode. The system is completed by the electro-hydraulic spring brake with an auto hold function which allows smooth and judder-free setting off on hills.



A comfortable workplace

Imagine a cab that is quiet with very low vibrations, has an optimum interior temperature and offers a versatile digital radio with touchscreen. Welcome to the cockpit of the new Metrac.



The new Metrac H75 and H95 score with their high operating and driving comfort. Its comfortable cockpit allows fatigue-free working over many hours and in any weather.

COMFORTABLE

Comfortable cab

The newly designed cab has been mechanically completely decoupled from other vehicle components. This results in a strongly reduced noise level and significantly lowered vibrations.

Powerful heating and air conditioning

The comfortable heating and air conditioning of the Metrac H75 features automatic temperature control through the display. The fresh air intake is on the left side of the vehicle, which prevents dust from entering into the cockpit.

Automatic linkage system

On the new Metrac H75, automated processes can be defined for lifting and lowering the linkages. This makes life easier for the driver and increases the comfort level.

Wider entry and improved all-round view

Use of a glass door not only widened the entry, but also greatly improved the all-round view. A hinged rear window and a rear window wiper are also available.

High quality digital radio

A high quality digital radio with touchscreen delivers optimum sound and offers all common digital interfaces, such as Bluetooth, WiFi, USB and HDMI. Use with "Android Auto" and "Apple Carplay" and use as a monitor for optionally available vehicle cameras also work perfectly.

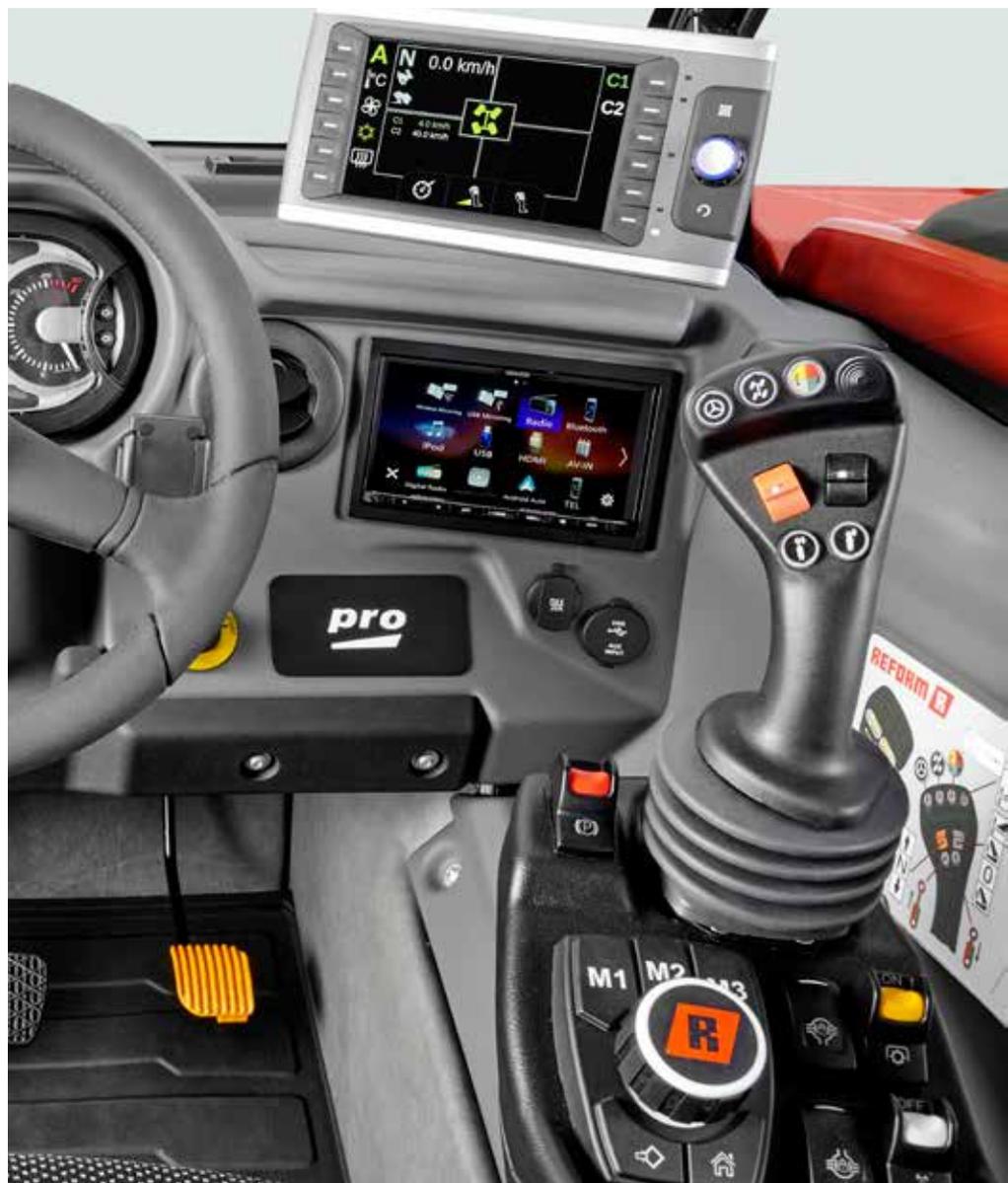


Logical and intuitive operation

The central control unit of the new Metrac features an ergonomic armrest, which is permanently attached to the driver's seat. All essential vehicle functions can be controlled comfortably from here.



A strong focus was placed on easy and logical operation of the new Metrac H75 and H95. This allows the driver to quickly become familiar with the vehicle functions and get started on their work immediately.



USER-FRIENDLY

Ergonomic armrest

The ergonomic armrest with its central controls forms the basis for the easy operation of the new Metrac. It is attached to the driver's seat, allowing fatigue-free working on any terrain, without interference from vibrations or slopes.

Multi-function joystick

The multi-function joystick combines all functions for driving and for controlling the attachments. The focus here was on logical and intuitive operation.

Central controller (R-Com)

The central "R-Com" controller was also integrated into the ergonomic armrest. The navigation menus of the central and auxiliary displays are operated from here.

Clearly structured information displays

The central information display (4.3" TFT LCD) is installed in the middle and includes 3 analogue displays and 32 indicator lights. An auxiliary display can be programmed individually and shows hydraulic functions, vehicle statuses, climate settings, and warnings.



Easier maintenance, economical engine

In terms of economic efficiency, the new Metrac score with good accessibility and therefore easier maintenance. The modern engine offers an optimum balance between performance and consumption.



Good access to the most important vehicle components makes maintenance work on the new Metrac easier, reducing downtime.

ECONOMICAL

Better access,
easier maintenance

Maintenance on important vehicle components has been made easier: cooling system, engine, electronics, and fresh air intake of the new Metrac are easy to access without complications, while it is now also easier to remove the cab.

Efficient Perkins
diesel engine

The new Metrac are powered by a common rail diesel engine from Perkins, which perfectly combines power and torque with sensible consumption levels. The engine power for the H75 is 75 hp, for the H95 it is 95 hp. Classified as emissions level 5, they are equipped with a diesel oxidation catalyst (DOC) and a diesel particulate filter (PDF).

Self-cleaning
cooling system

In the new cooling concept for the Metrac H75, all radiators were integrated into one unit at the side of the vehicle. This allows optimum accessibility through the side flap, which opens freely and can also be detached for more comprehensive maintenance work. In addition to this, the system features direction reversal of the fan as a standard, which makes it self-cleaning.

Digital networking
with telemetry

The digital linking of driver, vehicle, and customer service allows optimum use of telemetry data. This includes troubleshooting via remote diagnostics or the evaluation of vehicle data such as operating hours, consumption, journey data, or fluid levels.



Gentle on the environment and on the soil

The hydrostatic drive of the new Metrac offer a high level of efficiency and delivers power precisely when it is needed. The working hydraulics also react to the current load case, helping to lower fuel consumption.



The all-terrain chassis and the 4 wheel steering system of the new Metrac ensure maximum soil protection on any terrain.



ENVIRONMENTALLY FRIENDLY

Hydrostatic drive

The electronically controlled hydrostatic drive of the new Metrac ensures optimum efficiency and creates the right balance between power and consumption. If less power is required, the driver can switch to the fuel saving "Eco Mode".

Most modern exhaust gas cleaning

The exhaust gas purification system (incl. SCR, DPF and DOC) complies with the latest standards and is factory-fitted by the engine manufacturer. This guarantees the best possible match to the engine and optimum efficiency.

Economic working hydraulics

The working hydraulics for the attachments are equipped with a separate oil circuit and control the flow of oil independent of the load case to reduce fuel consumption – just as the directly driven PTO with power limit control.

Maximum soil protection

In conjunction with the proven 4 wheel drive and the intelligent 4 wheel steering system, the optimised all-terrain chassis provides maximum traction and soil protection. This allows the tractor to be gentle on the turf even in difficult terrain.

Top-mounted exhaust

The top-mounted exhaust ensures reduced swirling of dust and dirt particles during everyday work.



Metrac H75 and H75 pro Technology



Common rail diesel engine from Perkins

75 hp / 55 kW power
300 Nm torque
2,800 cm³ displacement



Hydrostatic drive with electronic control

2 speed ranges
2 terrain gear reductions
Foot and hand driving modes



Newly designed all-terrain chassis

All 4 wheel drive
4 wheel steering system
5 steering modes
Short or long wheelbase



Powerful working hydraulics for front and rear

Constant pump (variable pump optional)
Standard weight compensation
1,500 kg lifting force



Metrac H95 and H95 pro Technology



Common rail diesel engine from Perkins

95 hp / 70 kW power
410 Nm torque
3,600 cm³ displacement



Hydrostatic drive with electronic control

2 speed ranges
2 terrain gear reductions
Foot and hand driving modes



Newly designed all-terrain chassis

All 4 wheel drive
4 wheel steering system
5 steering modes
Short or long wheelbase



Powerful working hydraulics for front and rear

Constant pump (variable pump optional)
Standard weight compensation
1,500 kg lifting force

Maximum traction and optimum soil protection.

Wheels and tyres for the Metrac H75 and H95

The wide low-pressure tyres with different special treads ensure maximum traction, low ground pressure and reliable turf protection. They provide grip even with difficult terrain conditions and on steep hills.



31x15.50-15 Terra



31x15.50-15 Turf



31x15.50-15 AG Tread

METRAC H75/H95



33x15.50-15 Terra



440/50 R17 All Ground



425/55 R17 AG Tread

Choose your profile:

- 1 Narrow-tread low pressure tyres for maximum soil protection
- 2 Agricultural tread profile for high towing power and high stability
- 3 Turf tread profile for intensive lawn care



Auxiliary tyres

Uphill – with even better traction.

Even better hill capability and soil protection with the **front and/or rear auxiliary tyres**. Fast installation and removal with quick release lock. If you want to switch the auxiliary tyres between the front and rear axles, you can install mounting parts on both axles for quick exchange between front and rear.

No limitations for steering angle and front axle oscillation!



31x15.50-15
with 6.50-16 AG



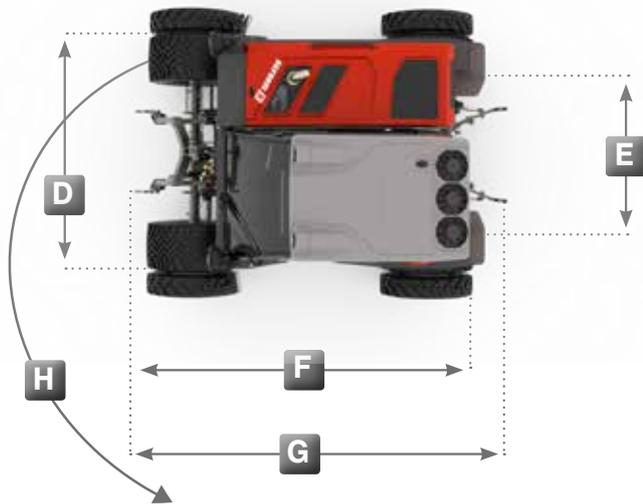
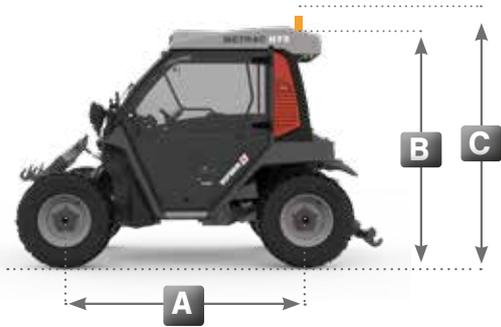
33x15.50-15
with 7.50-16 AG



425/55 R17
with 7.50-18 AG

Dimensions (mm)

- A** Wheelbase
- B** Height incl. roof
- C** Height with rotating warning light
- D** Width
- E** Track front and rear
- F** Length without rear linkage
- G** Length with rear linkage
- H** Turning radius



	H75	H75 pro	H95	H95 pro
A	2,150 short 2,350 long	2,150 short 2,350 long	2,150 short 2,350 long	2,150 short 2,350 long
B	2,120	2,160	2,120	2,160
B1*	2,160	2,160	2,160	2,160
C	2,265	2,305	2,265	2,305
D	2,020	2,020	2,020	2,020
E	1,630	1,630	1,630	1,630
F	3,295 short 3,495 long	3,335 short 3,535 long	3,295 short 3,495 long	3,335 short 3,535 long
G	3,740 short 3,940 long	3,740 short 3,940 long	3,740 short 3,940 long	3,740 short 3,940 long
H	3,930 short 3,975 long	3,930 short 3,975 long	3,930 short 3,975 long	3,930 short 3,975 long

*with 425/55 R17 AG tyres, 425/55 R17 with 7.50-18, 440/50 R17 All-Ground, 440/50 R17 with 7.50-18

Outer wheel widths (mm)



Bereifung	H75	H75 pro	H95	H95 pro
31x15.50-15 Terra tyres	2,020	2,020	2,020	2,020
31x15.50-15 Turf tyres	2,020	2,020	2,020	2,020
31x15.50-15 AG Tread	2,020	2,020	2,020	2,020
31x15.50-15 with 6.50-16	2,410	2,410	2,410	2,410
33x15.50-15 Terra tyres	2,020	2,020	2,020	2,020
33x15.50-15 with 7.50-16	2,440	2,440	2,440	2,440
425/55 R17 AG-tyres*	2,160	2,160	2,160	2,160
425/55 R17 with 7.50-18*	2,630	2,630	2,630	2,630
440/50 R17 All-Ground*	2,160	2,160	2,160	2,160
440/50 R17 with 7.50-18*	2,630	2,630	2,630	2,630

*Offset ET77 is available as an option: this reduces the outer width by 80 mm in all tyre variants.

Technical data	H75	H75 pro	H95	H95 pro
Engine				
Type	Perkins 904J-E28T	Perkins 904J-E28T	Perkins 9043-E36TA	Perkins 9043-E36TA
Power (hp)	75	75	95	95
Power (kW)	55.2	55.2	70	70
Displacement/cylinder	2,799	2,799	3600	3600
Cylinders	4	4	4	4
Torque	300	300	410	410
at engine speed	1,600	1,600	1,500	1500
Nominal speed (rpm)	2,200	2,200	2,200	2200
Emission level	5	5	5	5
Exhaust gas recirculation	✓	✓	✓	✓
Diesel particulate filter	✓	✓	✓	✓
Fuel tank (L)	90	90	90	90
Ad-Blue-Tank (L)	-	-	11,5	11,5
Electrical system	12 V/105 Ah	12 V/105 Ah	12 V/105 Ah	12 V/105 Ah
Alternator Ah	120	120	120	120
Drive/chassis				
Inching pedal	✓	✓	✓	✓
Electronically controlled hydrostatic drive	✓	✓	✓	✓
2 mechanical gear reductions	✓	✓	✓	✓
Speed in kph (with all tyres)	40	40	40	40
Cruise control and speed limiter	✓	✓	✓	✓
Driving/steering axle with final drives front and rear	✓	✓	✓	✓
Shiftable 4 wheel drive	✓	✓	✓	✓
Differential lock electro-hydraulically activated front and rear	✓	✓	✓	✓
Wheelbase short (mm)	2,150	2,150	2,150	2,150
Wheelbase long (mm)	2,350	2,350	2,350	2,350
Front steering	✓	✓	✓	✓
Rear steering	✓	✓	✓	✓
Crab steering	✓	✓	✓	✓
4 wheel steering	✓	✓	✓	✓
Offset 4 wheel steering	✓	✓	✓	✓
Service brake: hydraulic dual circuit 4 wheel power brake	✓	✓	✓	✓
Electro-hydraulic spring brake with Auto Hold function	✓	✓	✓	✓
Tyre variants				
31x15.50-15 Terra	✓	o	✓	o
33x15.50-15 Terra	o	✓	o	✓
31x15.50-15 AG Tread	o	o	o	o
31x15.50-15 Turf	o	o	o	o
440/50 R17 All-Ground	o	o	o	o
425/55 R17 AG Tread	o	o	o	o
Closed Cab				
Closed cab, doors with sliding window	o	✓	o	o
Hinged rear window	o	✓	o	o
Heater	✓	-	✓	-
Manual air conditioning	o	-	o	-

Technical data	H75	H75 pro	H95	H95 pro
Automatic air conditioning	-	✓	-	✓
Radio preparation incl. antenna and 4 loudspeakers	✓	✓	✓	✓
Single DIN radio	o	o	o	o
Single DIN radio + CD & SD	o	o	o	o
Double DIN radio, Android Auto, and Apple Carplay, with USB cable	o	o	o	o
Double DIN radio, Android Auto, and Apple Carplay, wireless	o	o	o	o
Comfort seat, leatherette cover, with pelvic support	✓	✓	✓	✓
Comfort seat, cloth cover, with pelvic support	o	o	o	o
Comfort seat, air-cushioned, with pelvic support	o	o	o	o
Mechanical swivel seat, with pelvic support	o	o	o	o
Electric swivel seat, with pelvic support	o	o	o	o
Front working light, top-mounted	o	-	o	-
Front working light, integrated	o	o	o	o
Front LED working light, top-mounted	o	-	o	-
Front LED working light, integrated	o	o	o	o
Rear working light	o	o	o	o
Rear LED working light	o	o	o	o
Rotating LED warning light	o	o	o	o
Working hydraulics/linkages				
Angle swing lift with electro-hydraulic weight compensation, vibration damping, lateral displacement, and external operation (quick-release system using hook end, cat. 1)	✓	✓	✓	✓
Lifting force front linkage (kg)	1,500	1,500	1,500	1,500
Rear linkage with electro-hydraulic weight compensation, vibration damping and external operation (retaining balls, cat. 1 and 2)	o	o	o	o
Rear linkage quick release system (lower link with hook end, cat. 2)	o	o	o	o
Lifting force rear linkage (kg)	1,500	1,500	1,500	1,500
Hydraulics delivery rate with constant pump (L/min)	29.2	29.2	29.2	29.2
Hydraulics delivery rate with variable pump (L/min)	52.0	52.0	52.0	52.0
Working pressure (bar)	195	195	195	195
Control unit, basic equipment	1 d.a.f.	2 d.a.f.	1 d.a.f.	2 d.a.f.
Additional optional control units	2 d.a.f./ variable pump	1 d.a.f./ variable pump	2 d.a.f./ variable pump	1 d.a.f./ variable pump
Parallel lines, front/rear	o	o	o	o
Weights				
Unloaded weight short wheelbase (kg)	2,500	2,650	2,700	2,850
Unloaded weight long wheelbase (kg)	2,530	2,680	2,730	2,880
Axle load front (kg)	2,300	2,300	2,300	2,300
Axle load rear (kg)	2,600	2,600	2,600	2,600
incl. gross weight (kg)	4,200	4,200	4,400	4,400
PTOs				
Front 540 rpm	✓	✓	✓	✓
Front 540 and 1,000 rpm	o	o	o	o
Rear 540 rpm	✓	✓	✓	✓
Rear 540 and 1,000 rpm	o	o	o	o

Standard ✓

Optional o

Not available -

Illustrations partly show optional equipment.
Subject to technical changes and printing errors.

REFORM. Teamwork Technology.



PRO3310/0921

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